

1/20

Adeno-X.NGN3

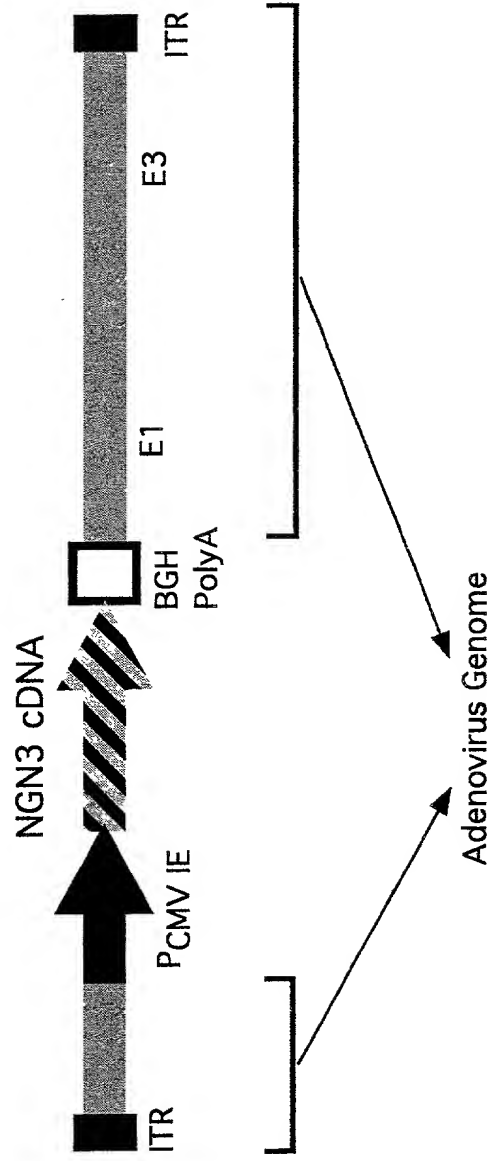


FIG. 1

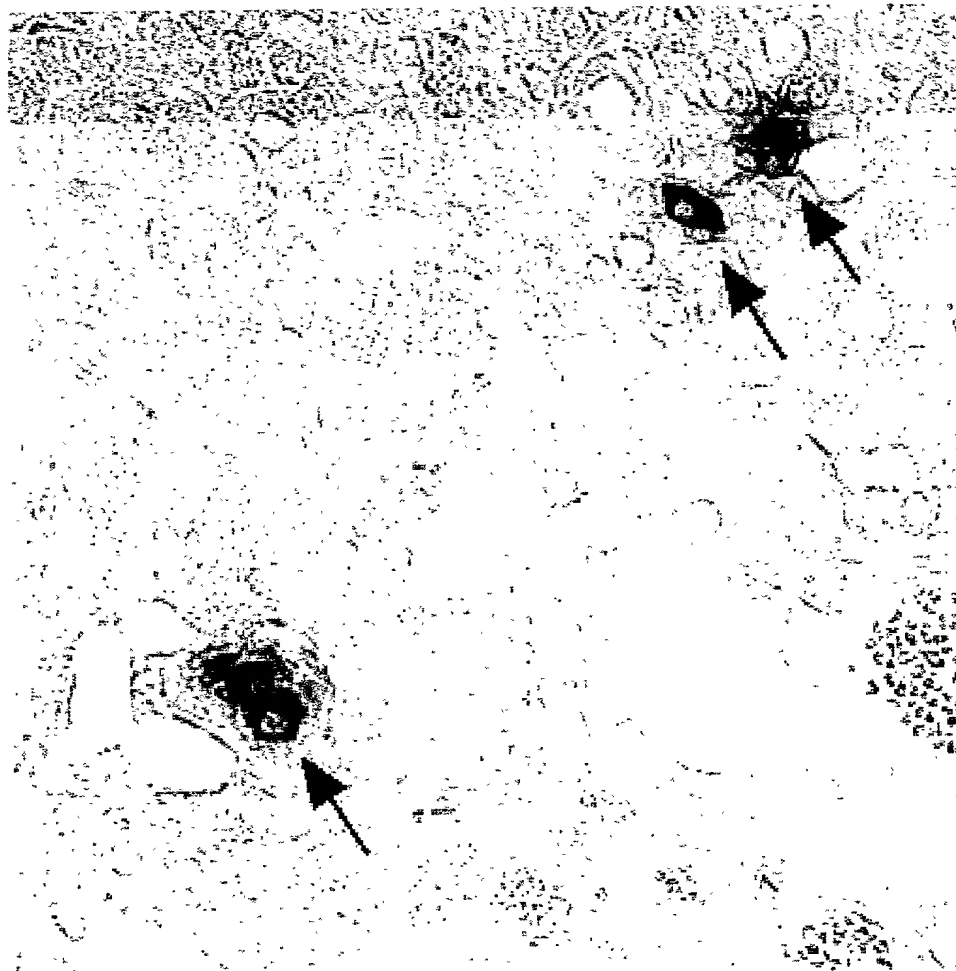


FIG. 2A

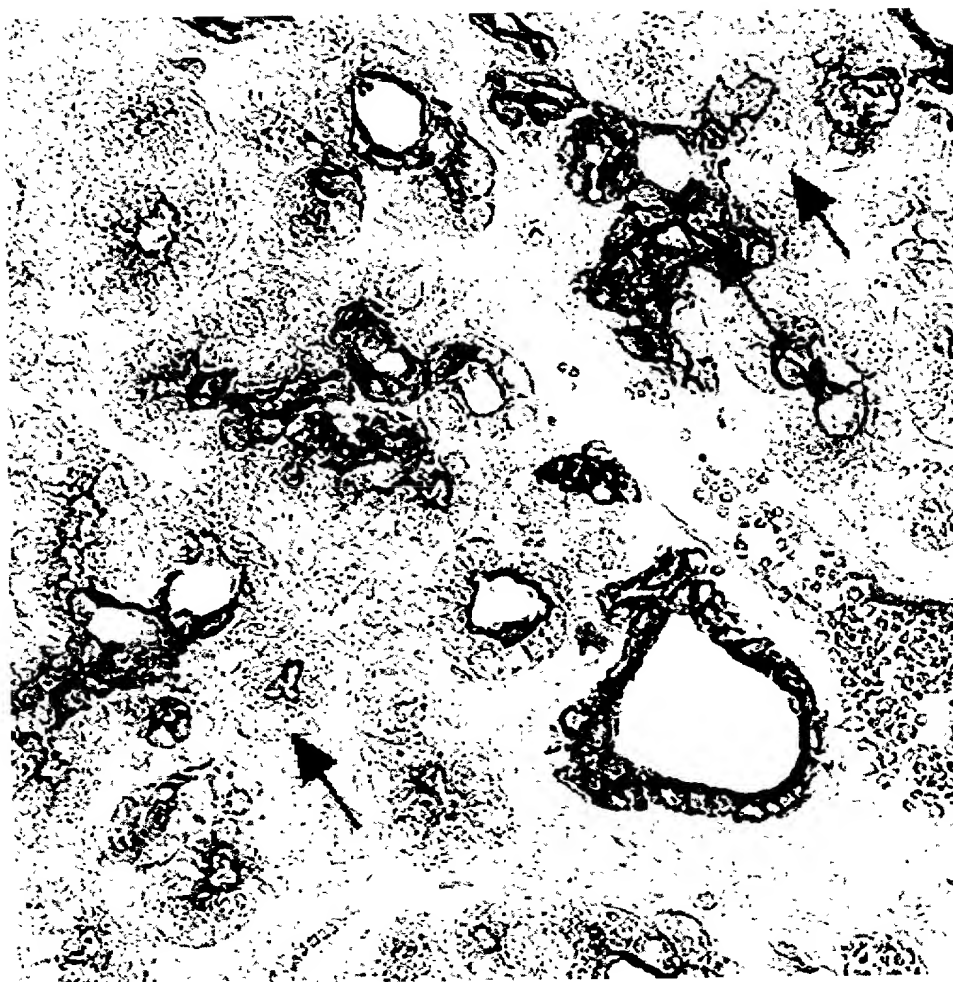


FIG. 2B

FOUOED 09E27860

4/20

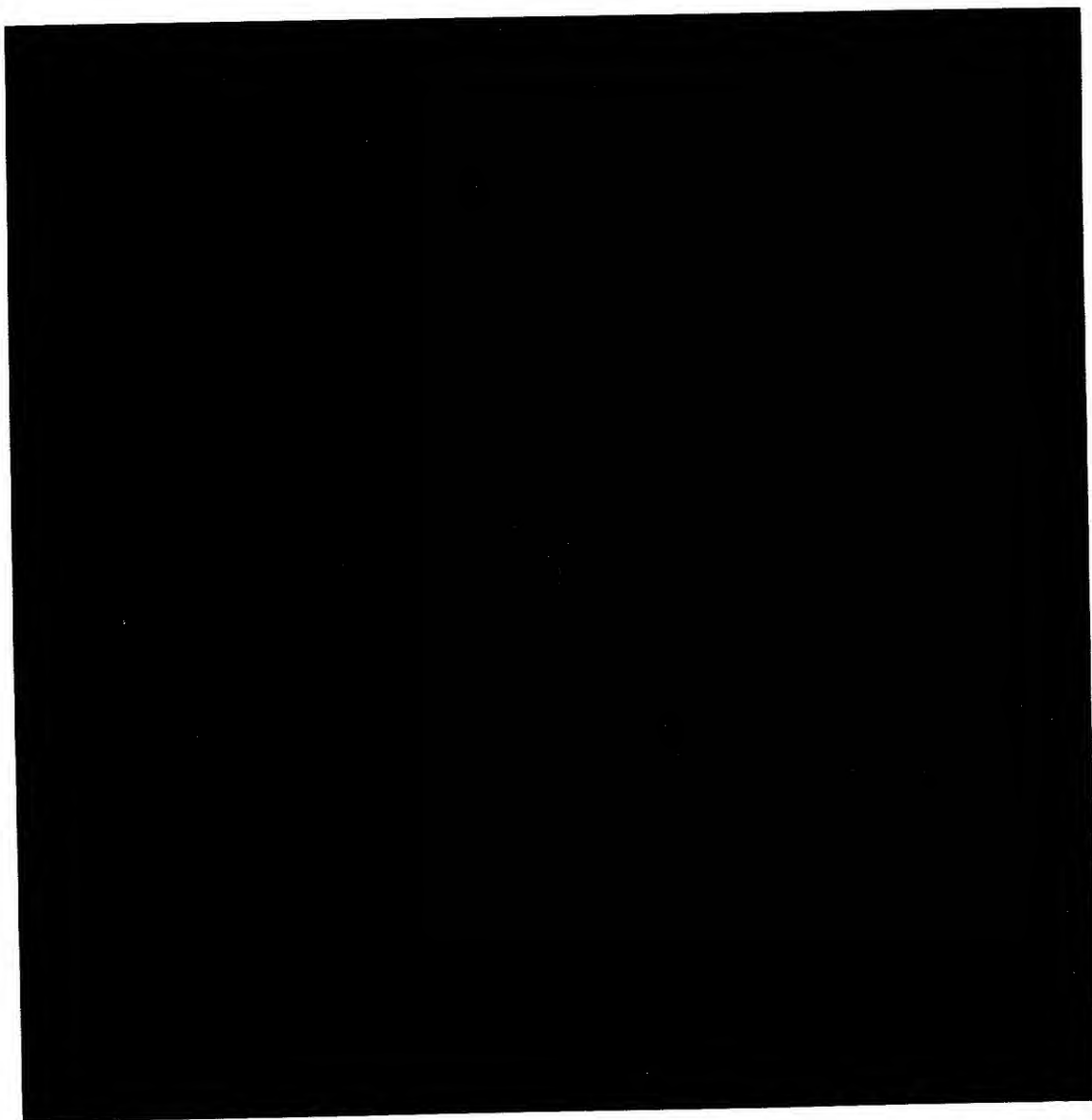


FIG. 3

2025 RELEASE UNDER E.O. 14176

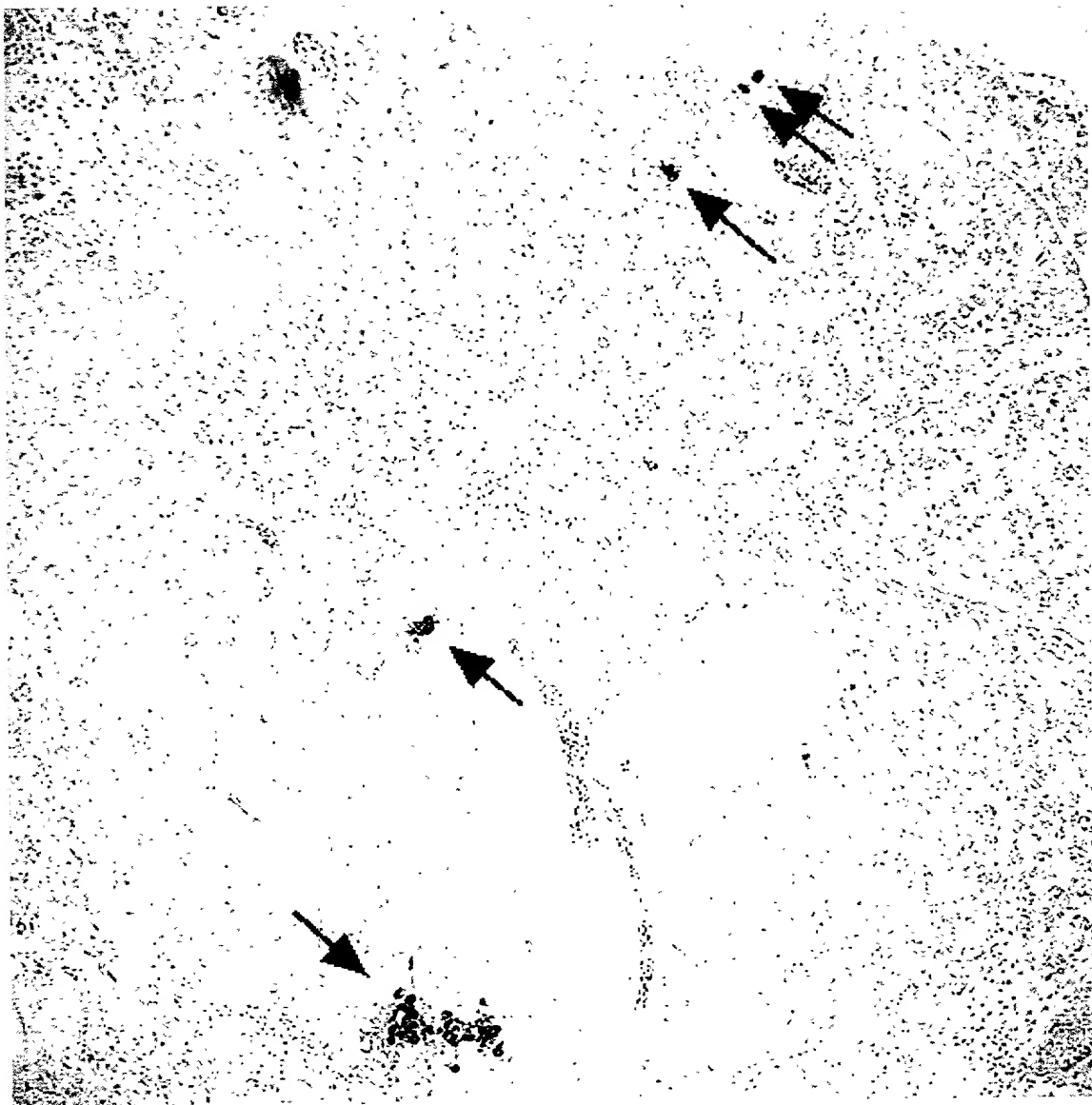


FIG. 4A

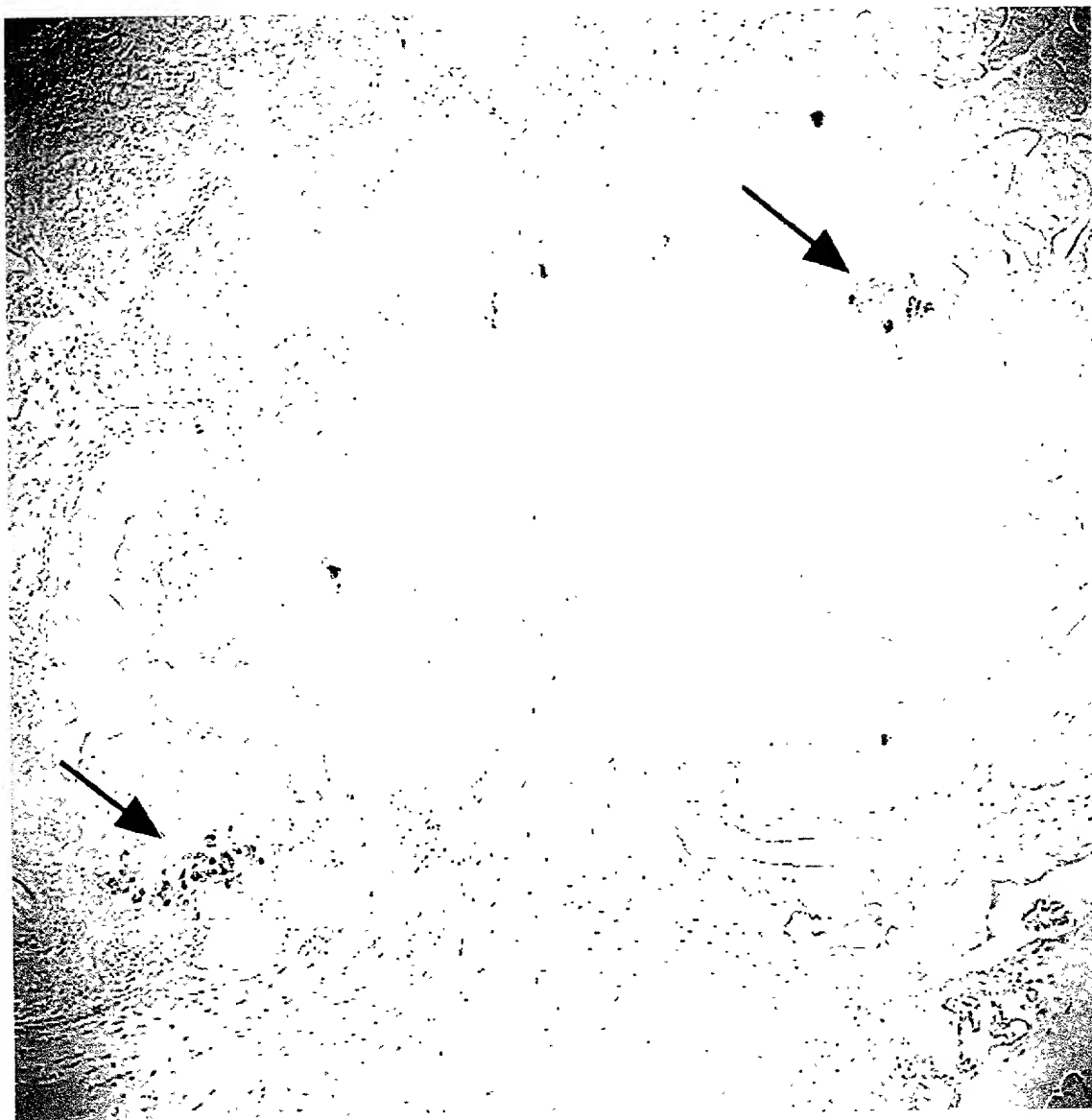


FIG. 4B

0947360 0947360

7/20

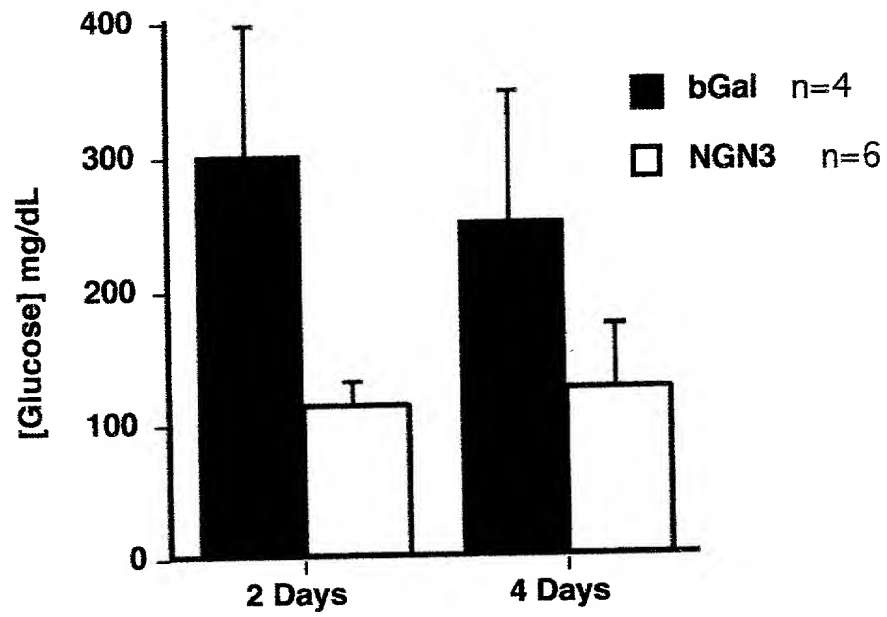


FIG. 5

FIG. 6A

WT



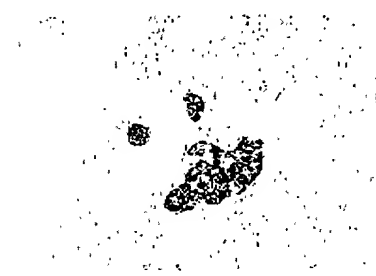
FIG. 6B

pdx1-
ngn3



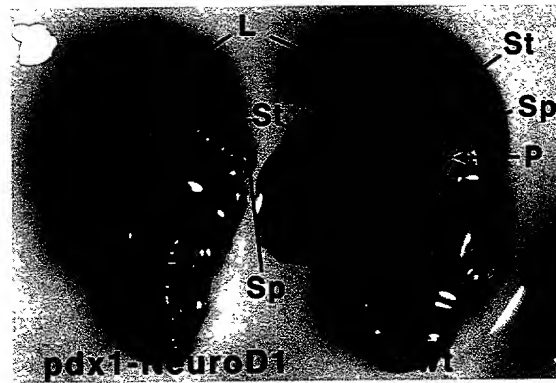
FIG. 6C

pdx1-
neuroD1

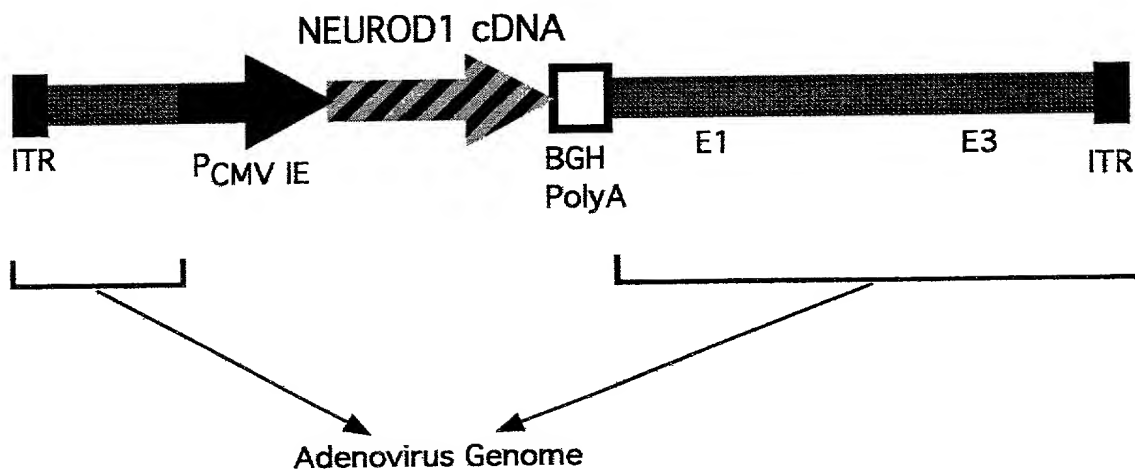


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FIG. 7B



Adeno-NEUROD1



Adeno-mash1/ASCL1/ASH1

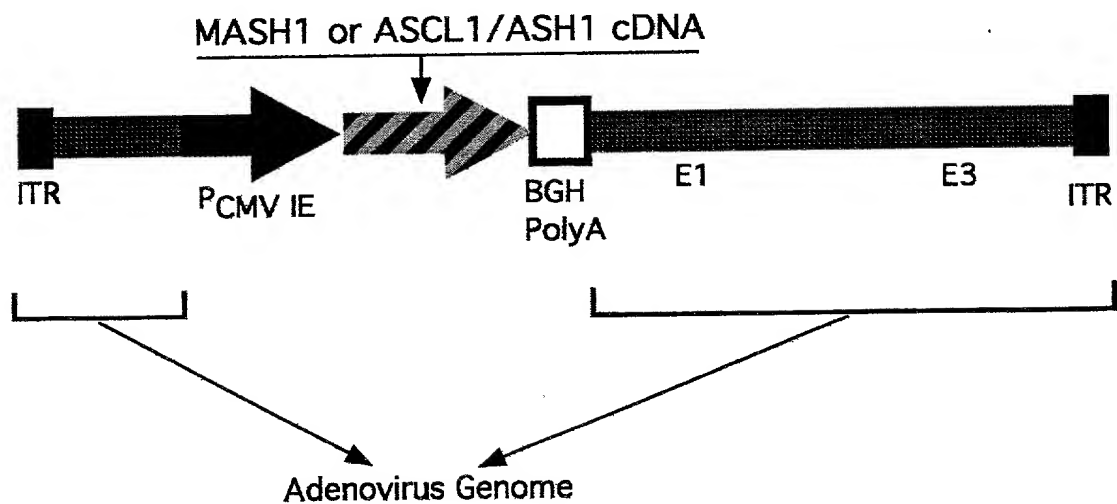


FIG. 8

11/20

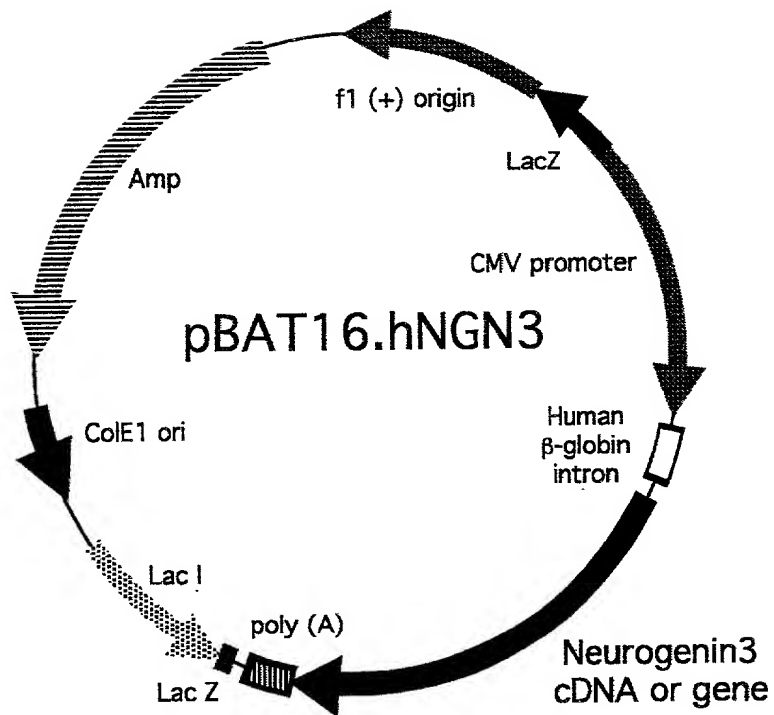


FIG. 9

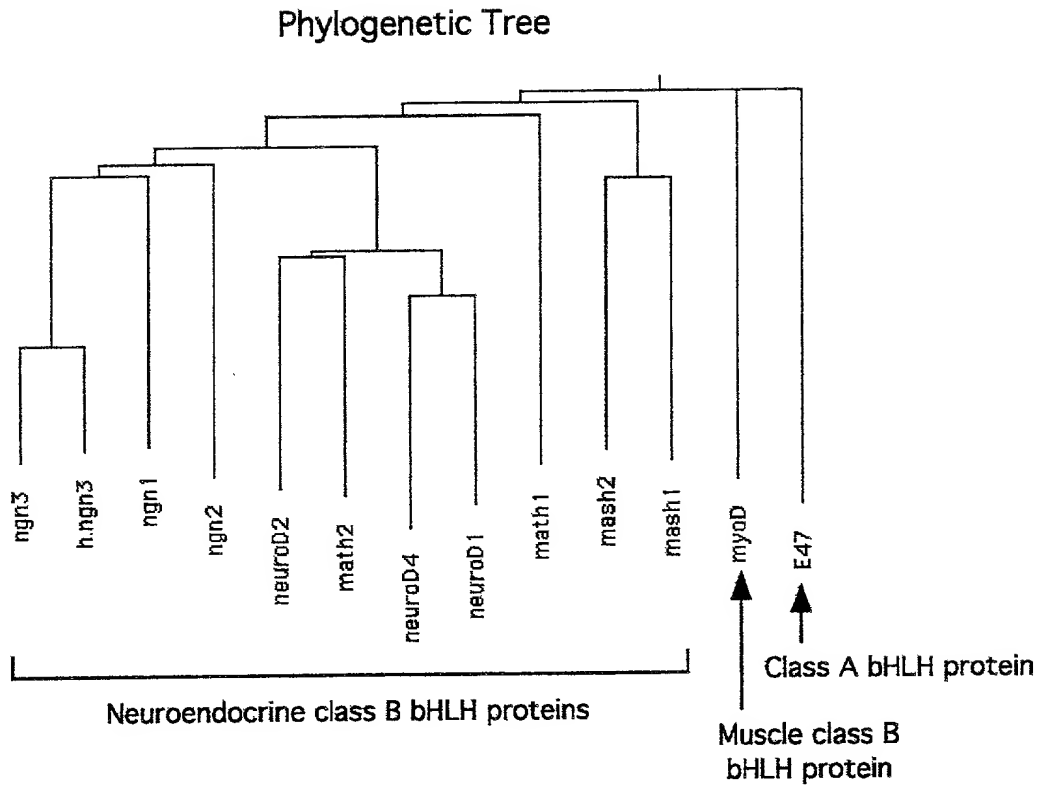


FIG. 10

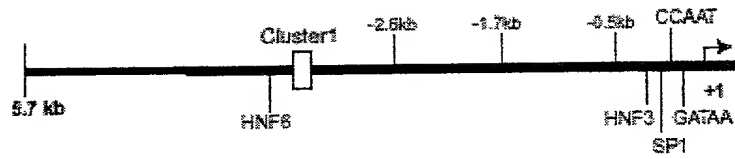


FIG. 11A

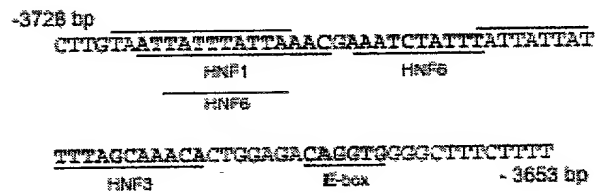


FIG. 11B

SEQ ID NO:19

FIG. 11A

14/20

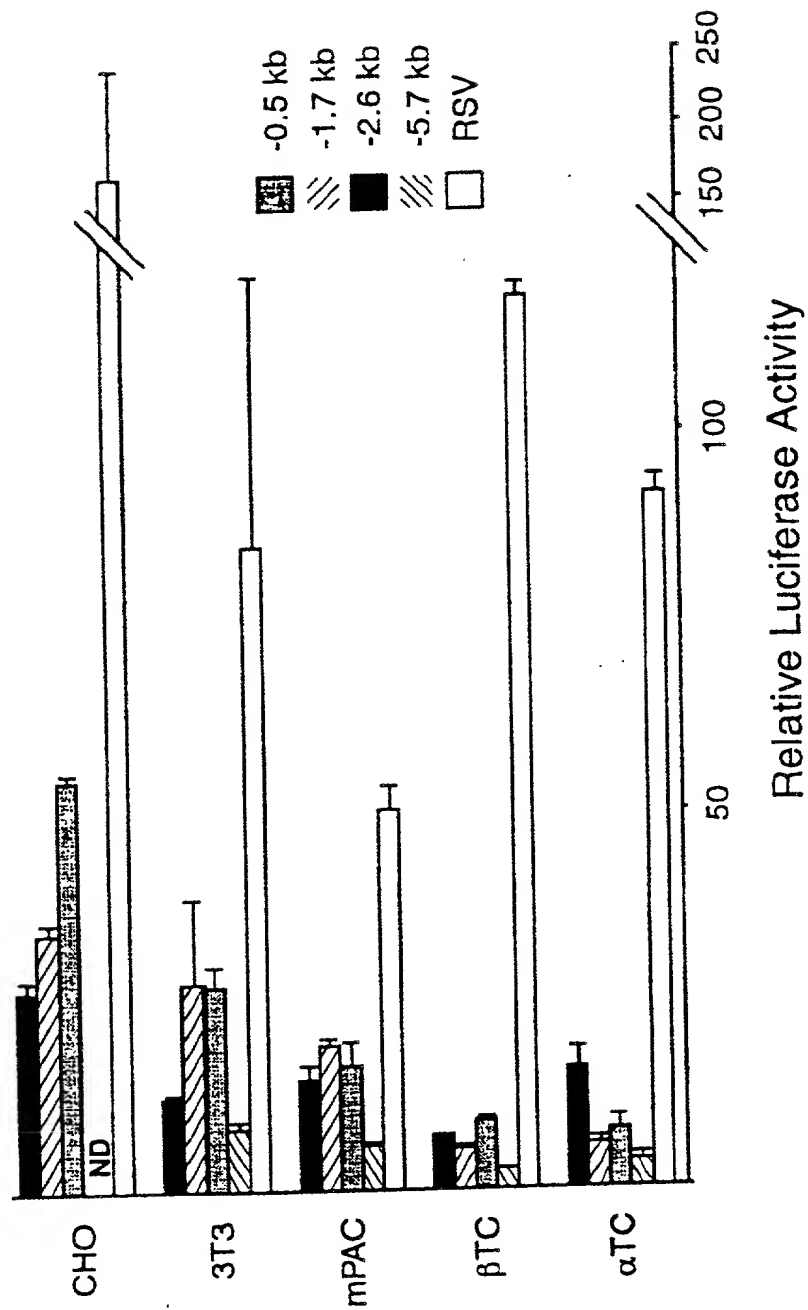


FIG. 12



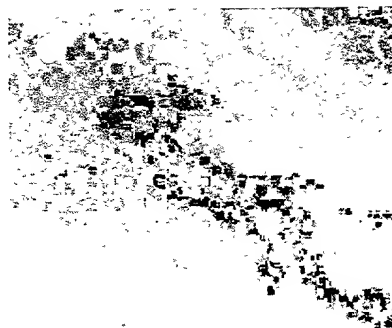
5.7 kb promoter

FIG. 13A



5.7 kb promoter

FIG. 13B



2.6 kb promoter

FIG. 13C

glucagon/ β Gal



insulin/glucagon/βGal

FIG. 14A



neurogenin3/βGal

FIG. 14B

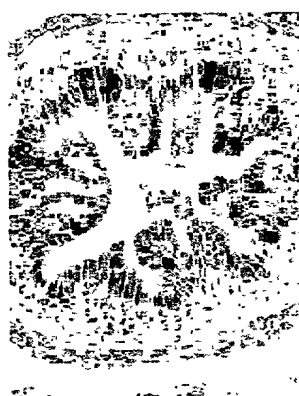


FIG. 15A



FIG. 15B



neurogenin3/βGal

FIG. 15C

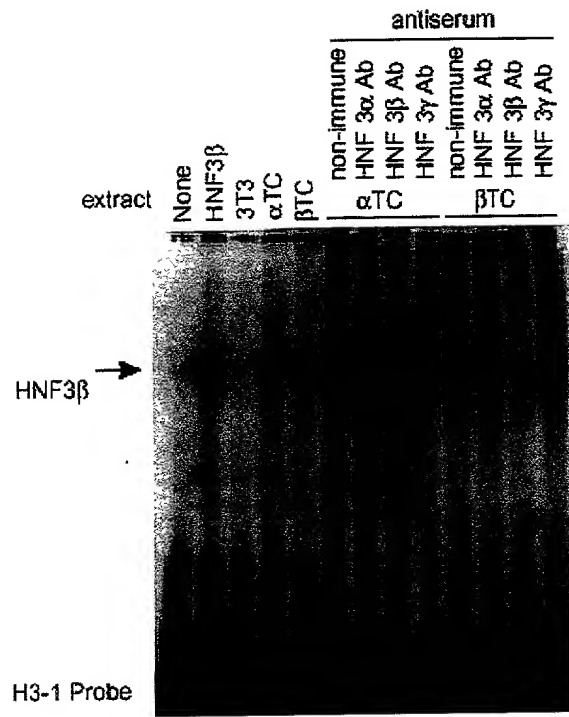


FIG. 16A

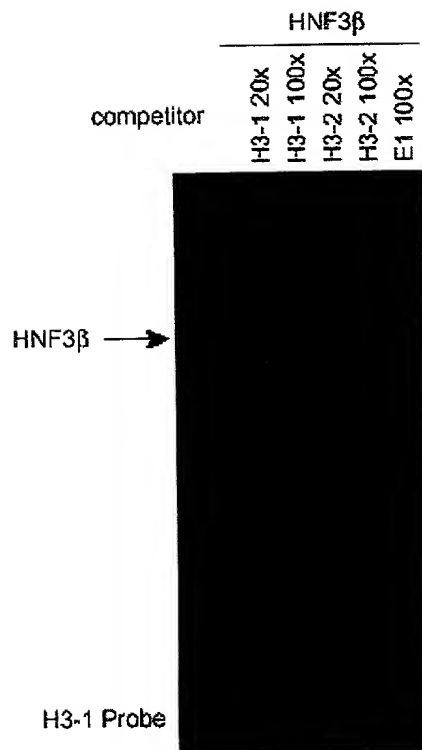


FIG. 16B

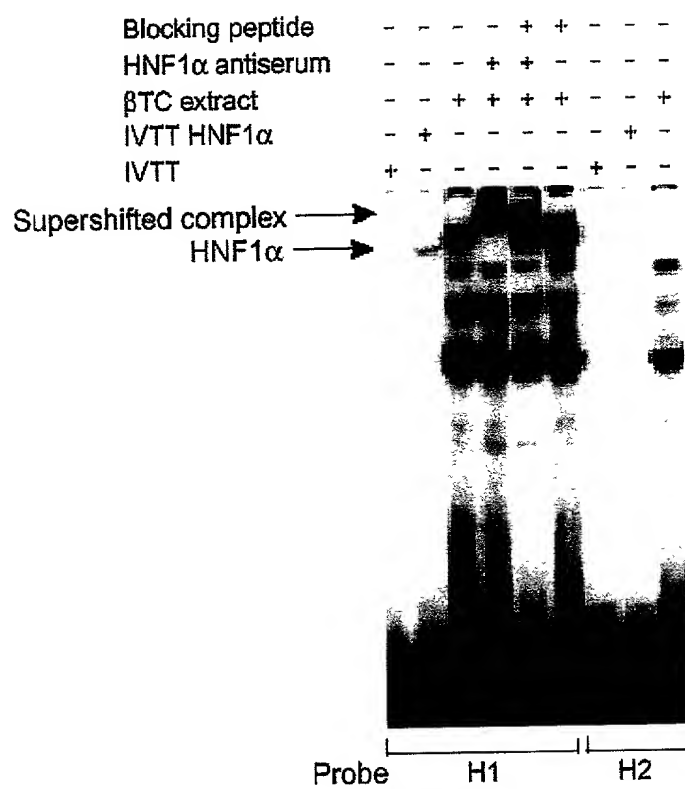


FIG. 17

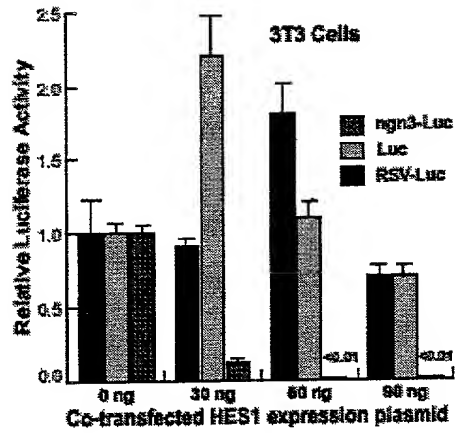


FIG. 18A

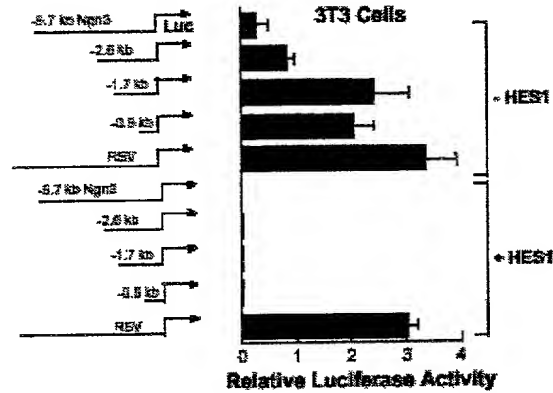


FIG. 18B

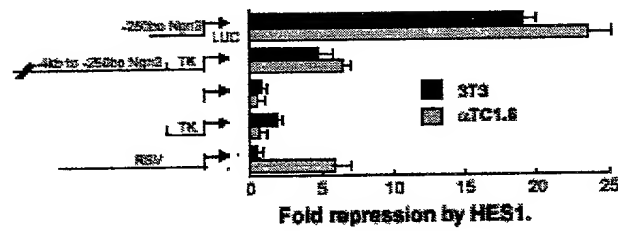


FIG. 18C

Proximal Promoter

-124 bp

CGGCTCGGCTGGCGCGGCCCGGGGCCCGGCTGATTGGCCGGTGGC

N1

GCGGGCAGCAGCCGGGCAGGCACGCTCTCTGSCCCGGGCGAAGCAGATAA

N2

TATAA Box

AGCGTGCCMAGGGGCACACGACTTGCT

N3

N4

+1 bp

FIG. 19A

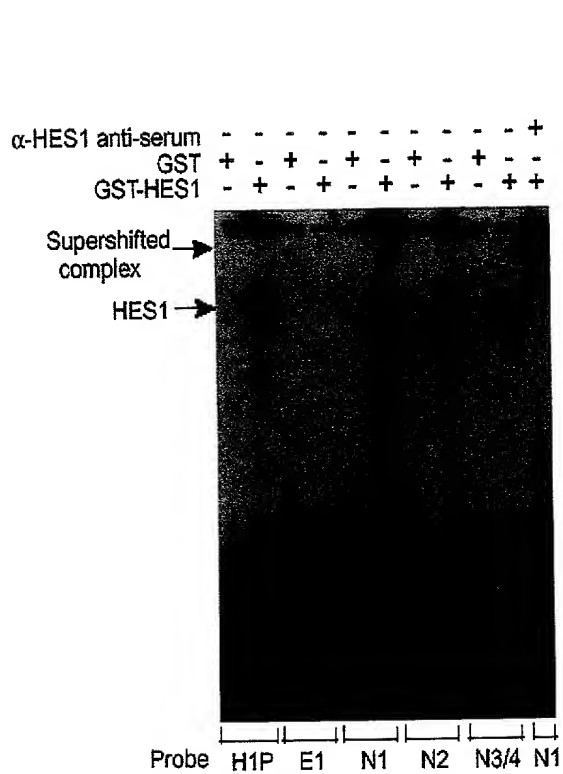


FIG. 19B

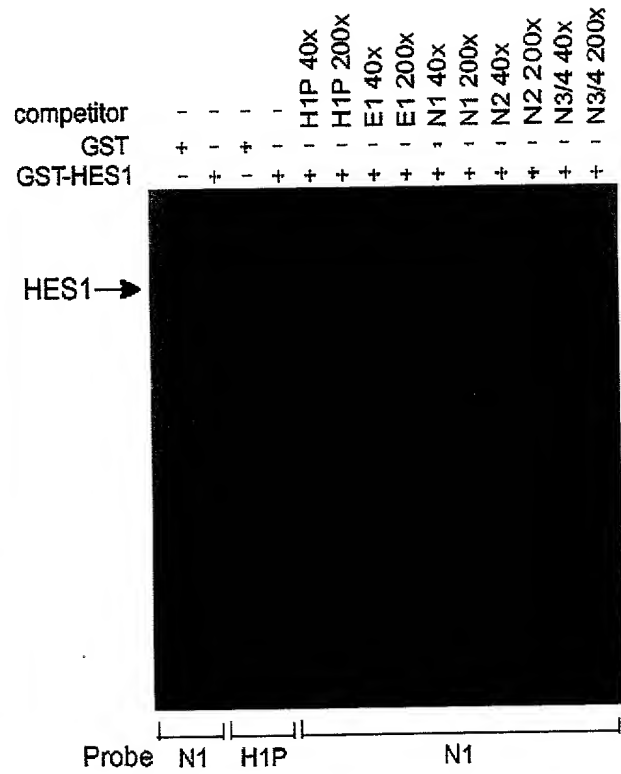


FIG. 19C